

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-29. (Cancelled)

30. (Currently Amended) A system comprising:

a plurality of reverse communication channels; and

a plurality of forward communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize ~~the same frequency band~~ one channel that comprises forward and reverse direction communication channels;

each of the plurality of reverse communication channels and each of the plurality of forward channels have a unique code;

the plurality of reverse communication channels and plurality of forward channels carry data simultaneously.

31. (Previously Presented) The system of claim 30, wherein each unique code is one of a plurality of mutually orthogonal codes.

32. (Previously Presented) The system of claim 30, wherein:
each of the reverse communication channels is a communication channel for carrying data from a mobile terminal to a base station; and
each of the forward communication channels is a communication channel for carrying data from a base station to a mobile terminal.

33. (Cancelled)

34. (Currently Amended) An apparatus comprising:
a transmitter configured to transmit data on a reverse communication channel;
and
a receiver configured to receive data on a forward communication channel,
wherein:

the reverse communication channel and the forward communication channel utilize ~~the same frequency band~~ one channel that comprises forward and reverse direction communication channels;

the reverse communication channel and the forward communication channels each have a unique code;

the reverse communication channel and the forward communication channel are configured to carry data simultaneously.

35. (Previously Presented) The apparatus of claim 34, wherein each unique code is one of a plurality of mutually orthogonal codes.

36. (Previously Presented) The apparatus of claim 34, wherein the apparatus is a mobile terminal.

37. (Canceled)

38. (Currently Amended) An apparatus comprising:

a transmitter configured to transmit data on a plurality of forward communication channels; and

a receiver configured to receive data on a plurality of reverse communication channels, wherein:

each of the plurality of reverse communication channels and each of the plurality of forward communication channels utilize ~~the same frequency band~~ one channel that comprises forward and reverse direction communication channels;

each of the plurality of reverse communication channels and the forward communication channels each have a unique code;

the reverse communication channels and the forward communication channels are configured to carry data simultaneously.

39. (Previously Presented) The apparatus of claim 38, wherein each unique code is one of a plurality of mutually orthogonal codes.

cont
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40. (Previously Presented) The apparatus of claim 38, wherein the apparatus is a base station.

41-42. (Cancelled)
